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| 1. Record Nr.           | UNINA990006275100403321                                                                                      |
| Autore                  | Cole, George Douglas Howard <1889-1959>                                                                      |
| Titolo                  | A history of socialist thought / G. D. H. Cole                                                               |
| Pubbl/distr/stampa      | London : MacMillan & Co., 1955-                                                                              |
| Descrizione fisica      | v. ; 24 cm                                                                                                   |
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| Livello bibliografico   | Monografia                                                                                                   |
| Nota di contenuto       | 1.: The forunners : 1789-1850 2.: Marxism and Anarchism : 1850-1890 3.: The Second International : 1889-1914 |

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| 2. Record Nr.           | UNINA9910830523803321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Autore                  | Bartoszynski Robert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Titolo                  | Probability and statistical inference [[electronic resource] /] / Robert Bartoszynski and Magdalena Niewiadomska-Bugaj                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Descrizione fisica      | 1 online resource (662 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Altri autori (Persone)  | Niewiadomska-BugajMagdalena                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Soggetti                | Probabilities<br>Mathematical statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nota di contenuto       | PROBABILITY AND STATISTICAL INFERENCE; CONTENTS; Preface; 1 Experiments, Sample Spaces, and Events; 1.1 Introduction; 1.2 Sample Space; 1.3 Algebra of Events; 1.4 Infinite Operations on Events; 2 Probability; 2.1 Introduction; 2.2 Probability as a Frequency; 2.3 Axioms of Probability; 2.4 Consequences of the Axioms; 2.5 Classical Probability; 2.6 Necessity of the Axioms; 2.7 Subjective Probability; 3 Counting; 3.1 Introduction; 3.2 Product Sets, Orderings, and Permutations; 3.3 Binomial Coefficients; 3.4 Extension of Newton's Formula; 3.5 Multinomial Coefficients; 4 Conditional Probability Independence4.1 Introduction; 4.2 Conditional Probability; 4.3 Partitions; Total Probability Formula; 4.4 Bayes' Formula; 4.5 Independence; 4.6 Exchangeability; Conditional Independence; 5 Markov Chains; 5.1 Introduction and Basic Definitions; 5.2 Definition of a Markov Chain; 5.3 n-Step Transition Probabilities; 5.4 The Ergodic Theorem; 5.5 Absorption Probabilities; 6 Random Variables: Univariate Case; 6.1 Introduction; 6.2 Distributions of Random Variables; 6.3 Discrete and Continuous Random Variables; 6.4 Functions of Random Variables; 6.5 Survival and Hazard Functions |

7 Random Variables: Multivariate Case 7.1 Bivariate Distributions; 7.2 Marginal Distributions; Independence; 7.3 Conditional Distributions; 7.4 Bivariate Transformations; 7.5 Multidimensional Distributions; 8 Expectation; 8.1 Introduction; 8.2 Expected Value; 8.3 Expectation as an Integral; 8.4 Properties of Expectation; 8.5 Moments; 8.6 Variance; 8.7 Conditional Expectation; 8.8 Inequalities; 9 Selected Families of Distributions; 9.1 Bernoulli Trials and Related Distributions; 9.2 Hypergeometric Distribution; 9.3 Poisson Distribution and Poisson Process 9.4 Exponential, Gamma and Related Distributions 9.5 Normal Distribution; 9.6 Beta Distribution; 10 Random Samples; 10.1 Statistics and their Distributions; 10.2 Distributions Related to Normal; 10.3 Order Statistics; 10.4 Generating Random Samples; 10.5 Convergence; 11.5 Sampling; 10.6 Central Limit Theorem; 11 Introduction to Statistical Inference; 11.1 Overview; 11.2 Descriptive Statistics; 11.3 Basic Model; 11.4 Bayesian Statistics; 11.6 Measurement Scales; 12 Estimation; 12.1 Introduction; 12.2 Consistency; 12.3 Loss, Risk, and Admissibility; 12.4 Efficiency 12.5 Methods of Obtaining Estimators 12.6 Sufficiency; 12.7 Interval Estimation; 13 Testing Statistical Hypotheses; 13.1 Introduction; 13.2 Intuitive Background; 13.3 Most Powerful Tests; 13.4 Uniformly Most Powerful Tests; 13.5 Unbiased Tests; 13.6 Generalized Likelihood Ratio Tests; 13.7 Conditional Tests; 13.8 Tests and Confidence Intervals; 13.9 Review of Tests for Normal Distributions; 13.10 Monte Carlo, Bootstrap, and Permutation Tests; 14 Linear Models; 14.1 Introduction; 14.2 Regression of the First and Second Kind; 14.3 Distributional Assumptions 14.4 Linear Regression in the Normal Case

## Sommario/riassunto

Now updated in a valuable new edition-this user-friendly book focuses on understanding the "why" of mathematical statistics Probability and Statistical Inference, Second Edition introduces key probability and statistical concepts through non-trivial, real-world examples and promotes the development of intuition rather than simple application. With its coverage of the recent advancements in computer-intensive methods, this update successfully provides the comprehensive tools needed to develop a broad understanding of the theory of statistics and its probabilistic foundations. This outstanding